

## ABSTRACT OF THE DISCLOSURE

**HEATING ELEMENT, FLUID HEATING DEVICE, INKJET PRINTHEAD,  
AND PRINT CARTRIDGE HAVING THE SAME AND METHOD OF  
MAKING THE SAME**

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According to an embodiment of the invention, there is provided a heating element including a substrate, a conductive layer disposed over the substrate to define a first conductive trace and a second conductive trace with a spacer therebetween and a  
10 resistive layer covering the first conductive trace, the second conductive trace and the spacer wherein the resistive layer at least partially electrically connects the first and the second conductive traces.